

Herbarium Specimen Collection at the University of South Dakota
414 E. Clark St.
CL191
Vermilion, SD 57069

The herbarium at the University of South Dakota contains a variety of species from National Parks beginning with collections in the late 1809's up to 1991. The specimens from parks in the Heartland, Midwest, and Western Mountain regions are included in the records of the collection documented by Sandee Dingman and Katherine Solberg from 2003-2004. In the included spreadsheet, specimens are recorded from the family Berberidaceae through all angiosperms, gymnosperms, and all non-vascular plants. Information regarding the name, park, collector, location conditions/descriptions, date collected, and ID numbers are available on this spreadsheet, giving pertinent information and the ability to locate a specific specimen. All vouchers recorded will be available in the "Index Herbariorum" identified by the code SDU for the University of South Dakota Herbarium. A total of 1881 voucher specimens were recorded out of approximately 35000 specimens (not including Asteraceae). All taxa in the excel database from the University of South Dakota should be considered from a park. Asteracea is not included as they are currently recorded in the NPSpecies Database inventory of vegetation.

Species collected in Yellowstone National Park were collected primarily by Herrold Asmussen ca. 1954, and O.A. Stevens & J.F. Brenckle ca. 1938. Those from the Badlands National Park were primarily collected by Lester Lindstrom ca. 1957 and Frederick Peabody ca. 1991. Other collectors significantly contributed to the herbarium collection, primarily in the Badlands and Yellowstone National Parks. Later collecting may have been done without park approval, but offers an update as to the vegetation composition and will likely be found in the parks at present.

All species vouchers were observed and found on maps in order to determine whether they had been found in a national park. If they were determined to be within or near (within 5 miles) a park, they were recorded and all information was transferred from the labels into the database. Distribution of species among the parks was observed and the actual number of voucher specimens from each park is calculated (Table 1). The Missouri National Recreation River (MNRR), Yellowstone (YELL), and the Badlands (BADL) National Parks had the highest distribution of vouchers due to location and particular collectors predominant in the collection.

Vouchers are arranged first by family, then by presence in South Dakota, followed by genus, then species, then by specimen ID. The specimen ID is a unique number given to each voucher within the USD Herbarium collection. About 99% of the collection is assigned a specimen ID number. Vouchers lacking this number are likely located in the algae group and can be identified from the finder and location of the specimen.

Any questions about specimens or requests for further information or photocopies can be directed to:

Dr. Molly Nepokroeff
414 E. Clark St.
CL 191

Vermillion, SD 57069
Office: (605) 624-
e-mail: mnepokro@usd.edu

Table 1. Voucher distribution by
national parks present in the collection.

Park ID	Number of vouchers
ARCH	21
BADL	979
CANY	32
CARE	11
DINO	2
GLAC	3
GLCA	71
GRCA	6
GRST	2
GRTE	19
JECA	12
MEVE	21
MNRR	196
MORU	26
NABR	21
NIOB	20
RABR	8
ROMO	1
SACN	1
SCBL	1
SUCR	2
THRO	8
TICA	1
WACA	5
WICA	25
WUPA	6
YELL	319
ZION	4